CLAIMS

What is claimed is:

1. A system for controllably releasing a power supply, comprising:

a host device that employs a computer program while powered by a removable power supply; and;

a retaining assembly operatively coupled to the host unit for accepting the removable power supply, the retaining assembly adapted to delay release of the power supply from the host device until at least a shut down of the computer program.

2. The system of claim 1, the retaining assembly adapted to release the power supply after the shut down of the computer program.

3. The system of claim 1, the retaining assembly adapted to release the power supply without cold boot and a loss of data associated with the host unit.

4. The system of claim 1, the computer program is an application program for the host unit.

5. The system of claim 1, the power supply is a battery.

6. The system of claim 1, the host device is at least one of a portable scanner and a computer.

7. The system of claim 1, the retaining assembly comprises at least one of an actuator and a solenoid.

8. The system of claim 1 further comprising an artificial intelligence for providing a stimulus to the retaining assembly.

9. The system of claim 1 further comprising an automatic shut down mechanism as to initiate a shut down of the host device.

10. The system of claim 1 further comprising an emergency release assembly for releasing the removable power supply.

11. A battery release mechanism, comprising:

a battery receiving compartment being part of a host unit that runs a computer program; and,

at least one battery latch or catch structure operatively connected to the battery receiving compartment and adapted to delay release of a battery until on or after a shutdown of the computer program.

12. A battery release mechanism according to claim 11, the at least one catch or latch structure comprises a notch being engaged with a side of the release mechanism.

13. A battery release mechanism according to claim 11, the at least one catch or latch mechanism releases the battery in two stages.

14. A method for controllably releasing a power supply from a host device comprising:

providing a host unit employing a computer program while powered by a removable power supply; and

providing a retaining assembly operatively coupled to the host unit for accepting the removable power supply, the retaining assembly adapted to delay release of the power supply from the host until at least a shut down of the computer program.

15. A method for controllably releasing a power supply from a host unit comprising:

providing a host device with a logic unit and a power supply retaining assembly;

initiating a powering off for the host device;

sending a stimulus from the logic unit to the power supply retaining assembly for initiating release of the power supply;

delaying a release of the power supply until at least a shut down of a computer program associated with the host device.

16. A method according to claim 15, sending the stimulus prior to initiating the powering off for the host device.

17. A method according to claim 15 further comprising ejecting the power supply from the retaining assembly via an actuator.

18. A method according to claim 15 further comprising estimating via a logic unit a time for shut down of the computer program from powering off for the host device.

19. A system for controllably releasing a power supply, comprising:

a host device that employs a computer program while powered by a removable power supply; and;

means for retaining the power supply being operatively coupled to the host unit for accepting the removable power supply, the means adapted to delay release of the power supply from the host device until at least a shut down of the computer program.